DT07 Rec'd PCT/PTO 0 3 JAN 2005

PTO-1390 (Rev. 12-2004)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Activities in operations are required to respond to a collection of information process it displays a valid OMB control number.

TRANSMITTAL LETTE **DITHE UNITED STATES** DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY' ET NUMBER 500.44572 U.S. APPLICATION NO. (ILkm w. see) 87 (0FF 1.5)

CONCERNITION A CODMISSION CHEEK CO C.C.C. 371	71,104					
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/JP2003/008309 30 June 2003	PRIORITY DATE CLAIMED 30 June 2003					
TITLE OF INVENTION MATERIAL FOR SLIDING PARTS HAVING SEL	F_LUBRICITY AND WIRE					
MATERIAL FOR PISTON RING APPLICANT(S) FOR DO/EO/US	·					
Etsuo FUJITA et al.						
Applicant herewith submits to the United States Designated/Elected Office (DO/EO	/US) the following items and other information:					
1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission						
3. L. This is an express request to begin national examination procedures (35 U.S.C. 371 (5), (6), (9) and (21) indicated below.	I(f)). The submission must include items					
4. X The US has been elected (Article 31).	'					
5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2))						
a. X is attached hereto (required only if not communicated by the Internation	al Bureau).					
b. has been communicated by the International Bureau.	'					
c. is not required, as the application was filed in the United States Receiving	ng Office (RO/US).					
6. X An English language translation of the International Application as filed (35 U.S.C.	. 371(c)(2)).					
a. X is attached hereto.	!					
b. has been previously submitted under 35 U.S.C. 154(d)(4).	!					
7. Amendments to the claims of the International Application under PCT Article 19 (3	35 U.S.C. 371(c)(3))					
a. are attached hereto (required only if not communicated by the Internati	ional Bureau).					
b. have been communicated by the International Bureau.						
c. have not been made; however, the time limit for making such amendm	ients has NOT expired.					
d. have not been made and will not be made.						
8. An English language translation of the amendments to the claims under PCT Arti	ide 19 (35 U.S.C. 371(c)(3)).					
9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).	!					
An English language translation of the annexes of the International Preliminary Exarticle 36 (35 U.S.C. 371(c)(5)).	xamination Report under PCT					
Items 11 to 20 below concern document(s) or information included:						
11. X An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12. An assignment document for recording. A separate cover sheet in compliance with	h 37 CFR 3.28 and 3.31 is included.					
13. X A preliminary amendment.						
14. An Application Data Sheet under 37 CFR 1.76.	!					
15. A substitute specification.	!					
16. X A power of attorney and/or change of address letter.						
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13	3ter.2 and 37 CFR 1.821- 1.825.					
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4)	4).					
19. A second copy of the English language translation of the international application	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Figs. 1-9; Request for Examination and Search Form;					
	Other items or information: Credit Card Payment					

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 2

PTO-1390 (Rev. 12-2004)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Queen V.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act 25, no persons are required to respond to a collection of Information under displays a valid OMB control number.

21. The following flees are submitted: a) Basic national fee	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. PCT/JP2003/008309			500.44577X00				
Search fee	21. The followi	ng fees are submitted:					Applicant use	Office use only
Column fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program fishing filed in an electroric medium). The fee is \$250 for each obditional 50 sheets of paper or fraction thereof. Total Sheets Extra sheets Number of each additional 50 or fraction thereof. Total Sheets Extra sheets Number of each additional 50 or fraction thereof (round up to a whole number) 100 s	X a) Basic na	ational fee				. \$300.00		
TOTAL OF ABOVE CALCULATIONS = Additional fee for specification and drawings filed in a paper over 100 sheets (excluding sequence listing or computer program tallsing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	b) Examin	ation fee				. \$200.00	\$ 200.00	
Additional tear the production and control of the c	X c) Search f	ee				\$500.00	\$ 500.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program shisting filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra sheets Number of each additional 50 or frection thereof. Surcharge of \$130.00 for furnishing the eath or declaration later than 30 months from the earliest significance of the first of the earliest of		TOTAL OF ABOVE CA	LCULATION	1S =		\$1000.00	\$ 1,000.00	
additional 50 sheets Extra sheets Number of each additional 50 or fraction RATE Total Sheets Extra sheets Number of each additional 50 or fraction RATE 100 160 160		ee for specification and d	rawings filed	in paper over 100 sheets (ng sequence		
thereof (round up to a whole number) Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 16 - 20 = 0 x \$50.00 \$ 0.00 Independent claims 2 - 3 = 0 x \$50.00 \$ 0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360.00 \$ 0.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced \$ 0.00 Depth of the proof of turnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL OF ABOVE CALCULATIONS = \$ 0.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced \$ 0.00 Depth of turnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE \$ 1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$ 40.00 Amount to be refunded Amount to be refunded Amount to be charged \$ 1,040.00 Applicant claims small entity status. See 37 CFR 1.21(h) in the amount of \$ 1,040.00 TOTAL FEES ENCLOSED = \$ 1,040.00 A check in the amount of \$ 1,040.00 A check in the am				aronic mealum). The tee is	\$250 10	or eacn		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(a)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 16 - 20 = 0	Total Sheets	Extra sheets				RATE		
claimed priority date (37 CFR 1.492(p)). CLAIMS NUMBER FILED NUMBER EXTRA RATE 5 Total claims 16 - 20 = 0	- 100 =	/50 =				× \$250.00	\$	
Total claims 16 · 20 = 0			ath or declar	ation later than 30 months f	from the	e earliest	\$	
Independent claims 2 -3 = 0	CLAIMS	NUMBER FI	LED	NUMBER EXTRA		RATE	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$ 0.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 4. SUBTOTAL = \$ 1,000.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$ 1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$ 1,040.00 Amount to be refunded: Amount to be charged A check in the amount of \$	Total claims	1	6 - 20 =	0	×	\$50.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS = \$ 0.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by %. SUBTOTAL = \$ 1,000.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$ 1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	Independent clai	ms	2 -3=	0	×	\$200.00	\$ 0.00	
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by %. SUBTOTAL = \$1,000.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	MULTIPLE DEP	ENDENT CLAIM(S) (if ap	oplicable)		+	\$360.00	\$ 0.00	
by ½. SUBTOTAL = \$1,000.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$1,040.00 Amount to be refunded: Amount to be charged A check in the amount of \$	TOTAL OF ABOVE CALCULATIONS =					\$ 0.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$ 1,000.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		laims small entity status.	See 37 CFF	R 1.27. The fees indicated a	bove a	re reduced	\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$ 1,040.00 Amount to be refunded: Amount to be charged \$ a. A check in the amount of \$						SUBTOTAL =	\$ 1,000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$1,040.00 Amount to be refunded: Amount to be charged Deplease charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. The Commissioner is hereby author	-							
by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = \$1,040.00 Amount to be refunded: Amount to be charged a. A check in the amount of \$	TOTAL NATIONAL FEE =				ONAL FEE =	\$ 1,000.00		
Amount to be refunded: Amount to be charged a. A check in the amount of \$								
Amount to be refunded. A check in the amount of \$ to cover the above fees is enclosed. b.				TOTAL F	EES E	NCLOSED =	\$ 1,040.00	
a. A check in the amount of \$	Amount to be refunded:				be refunded:		\$	
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Alan E. Schiavelli NAME Customer No. 020457				Am	ount t	o be charged		\$
A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Alan E. Schiavelli NAME Customer No. 020457	a. A chec	k in the amount of \$		to cover the abo	ove fee	s is enclosed.		
Account No. 01-2135. A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Gustomer No. 020457	b. Please charge my Deposit Account No in the amount of \$ to cover the above fees.							
d. Tees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Alan E. Schiavelli NAME 32,087	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2135. A duplicate copy of this sheet is enclosed.							
and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Customer No. 020457 SEND ALL CORRESPONDENCE TO: Antonelli, Terry, Stout & Kraus, LLP SIGNATURE Alan E. Schiavelli NAME 32,087	d. These are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not							
Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Customer No. 020457 Antonelli, Terry, Stout & Kraus, LLP Signature Alan E. Schiavelli NAME 32,087	NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
Antonelli, Terry, Stout & Kraus, LLP Suite 1800 1300 North Seventeenth Street Arlington, Virginia 22209 Customer No. 020457 Antonelli, Terry, Stout & Kraus, LLP Signature Alan E. Schiavelli NAME 32,087								
1300 North Seventeenth Street Arlington, Virginia 22209 Customer No. 020457 Alan E. Schiavelli NAME 32,087								
Alan E. Schiavelli Arlington, Virginia 22209 Customer No. 020457 Alan E. Schiavelli NAME 32,087		ite 1800						
Customer No. 020457					1		Schiavelli	
Customer No. U2U45/	Ariington Virginia ///U9							
	Customer	Customer No. UZU45/				ON NUMBER		

10/519981 DT12 Rec'd PCT/PTO 0 3 JAN 2005

ATTACHMENT

International Application No PCT/JP2003/008309	. International Filing Date 30 June 2003	Attorney Docket No. 500.44577X00

- 1. International Publication No. WO 2004/003246 A1-Cover Sheet
- 2. Notification Concerning Submission or Transmittal of Priority Document
- 3. Notice Informing the Applicant of the Communication of the International Application to the Designated Offices
- 4. International Search Report



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Etsuo FUJITA et al.

Application No.:

Not Yet Assigned

Filed:

January 3, 2005

For:

MATERIAL FOR SLIDING PARTS HAVING SELF-LUBRICITY

AND WIRE MATERIAL FOR PISTON RING

REQUEST FOR EXAMINATION AND SEARCH

January 3, 2005

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that a search and examination be conducted in the above-identified application. The necessary search fee and examination fee are enclosed herewith.

Please charge any shortage in the fees due in connection with the filing of this paper, including excess claim fees, to Deposit Account No. 01-2135 (referencing case No. 500.44577X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

Alan É. Schiavelli

Registration No. 32,087

ANTONELLI, TERRY, STOUT & KRAUS, LLP

AES/dc 1300 North Seventeenth Street Suite 1800 Arlington, Va 22209 Telephone: (703) 312-6600 Fax: (703) 312-6666